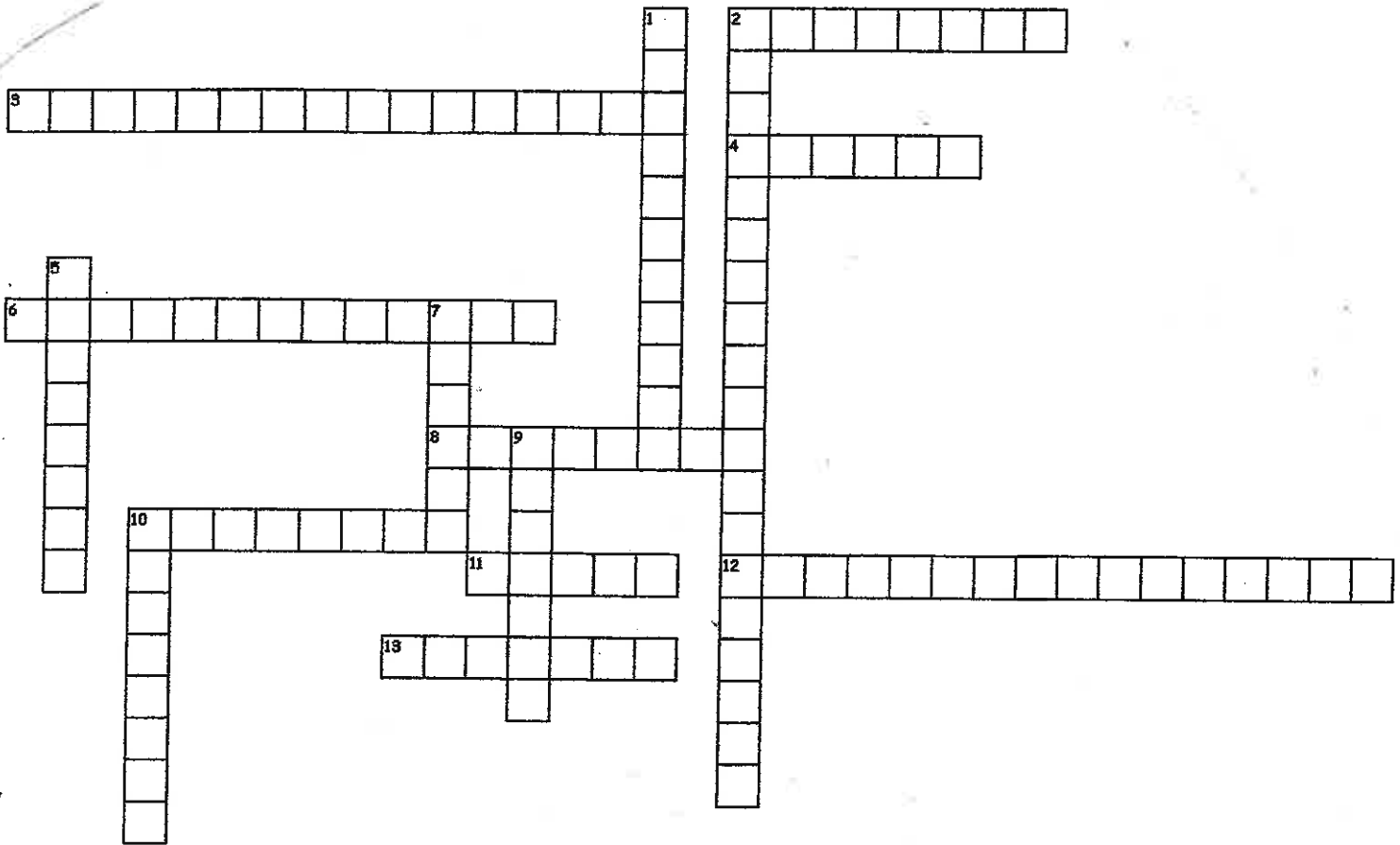


Name _____

date _____

hour _____

Chap. 2 Forces in Motion



Across

2. a property of a moving object that depends on the object's mass and velocity
3. the curved path an object follows when thrown or propelled near the surface of Earth
4. This law states that the acceleration of an object depends on its mass and the force exerted on it
6. In the helicopter lab, we tried to increase _____ to keep them in the air longer.
8. For every action there is an equal and opposite reaction.
10. this force can slow or stop objects that are in motion
11. this is created with a combination of a forward motion and free fall
12. when the size of the upward force of air resistance matches the size of the downward force of gravity
13. He said that all objects accelerate toward the Earth at 9.8 m/s/s

Down

1. the unbalanced force that causes objects to move in a circular path
2. the lab we did that used projectile motion
5. an object in motion stays in motion unless acted on by an outside force
7. came up with the laws of motion
9. the tendency of all objects to resist any change in motion
10. the condition an object is in when gravity is the only force acting on it

○ = 2 words